

BUILDING CODE COMPLIANCE OFFICE (BCCO) PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

www.buildingcodeonline.com

### NOTICE OF ACCEPTANCE (NOA)

Simonton Windows 1 Cochrane Drive Pennsboro, WV 32236

#### Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "445-442 Storm Breaker Plus" Aluminum Horizontal Sliding Window - S.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W05-56**, titled "445-442 Storm Breaker Plus H.S. WDW (S.M.I.)", sheets 1 through 4 of 4, prepared by AL- Farooq Corporation, dated 12/30/05, with last revision on 6/26/06, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

## MISSILE IMPACT RATING: Small Missile Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P.E.

CEPTS

5.6ASCOX 7/12/06 NOA No 06-0302.06 Expiration Date: August 03, 2011 Approval Date: August 03, 2006

Page 1

#### **Simonton Windows**

## **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

#### A. DRAWINGS

- **1.** Manufacturers die drawings and sections.
- 2. Drawing No. W05-56, titled "445-442 Storm Breaker Plus H.S. WDW (S.M.I.)", sheets 1 through 4 of 4, prepared by AL- Farooq Corporation, dated 12/30/05, with last revision on 6/26/06, signed and sealed by Humayoun Farooq, P.E

#### B. TESTS

- 1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Small Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum Horizontal slider window, prepared by Certified Testing Laboratories Architectural Division, Test Report No. CTLA-1403W, dated 10/17/05, signed and sealed by Ramesh Patel, P.E.

2. Test reports on 1) Small Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal slider window, prepared by Certified Testing Laboratories
Architectural Division, Test Report No. CTLA-1403W-1SD, dated 01/17/06, signed and sealed by Ramesh Patel, P.E.

#### C. CALCULATIONS

1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by AL-Farooq Corporation, dated 12/02/05, signed and sealed by Humayoun Farooq, P.E.

Complies with ASTM E- 1300-02

### D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

### E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0827.08**, issued to Solutia Inc., for their "Solutia Interlayer", expiring on 03/04/09.

### F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 12/02/05, signed and sealed by Humayoun Farooq, P.E.

Jaime D. Gascon, P.E. Chief , Product Control Division NOA No 06-0302.06

Expiration Date: August 03, 2011 Approval Date: August 03, 2006

## **Simonton Windows**

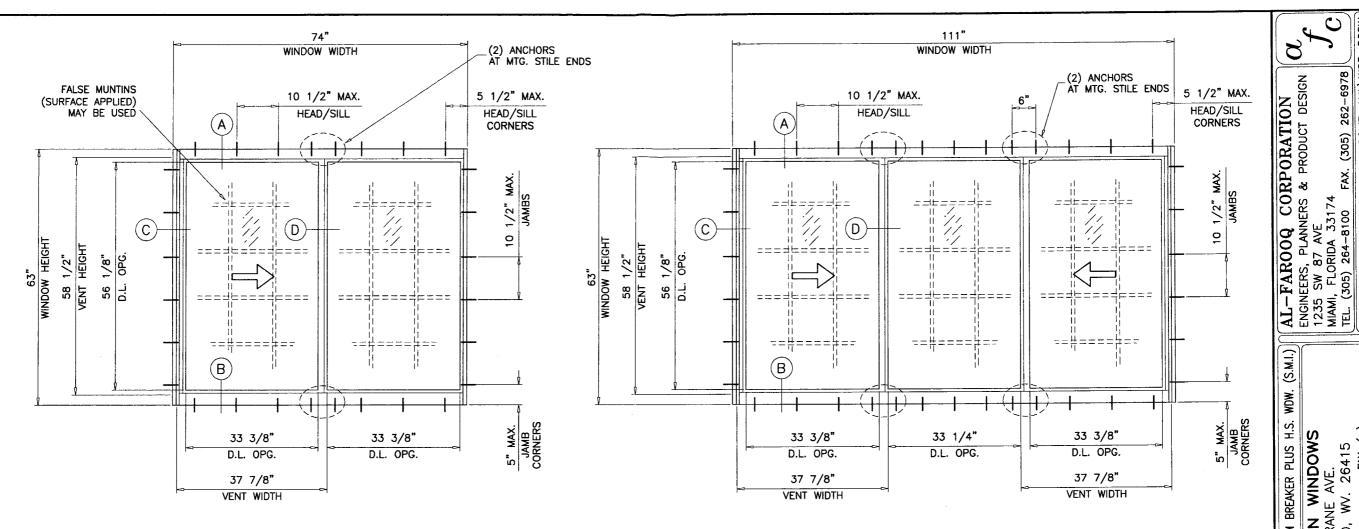
## **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

## G. OTHER

1. Letter form the consultant, dated 07/06/06, stating that the product is in compliance with the Florida Building Code (FBC).

Jaime D. Gascon, P.E. Chief , Product Control Division NOA No 06-0302.06

Expiration Date: August 03, 2011 Approval Date: August 03, 2006



THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

### SERIES 445-442 STORM BREAKER PLUS ALUMINUM HORIZONTAL SLIDING WINDOW

WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION (REV. 2005) FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ)

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

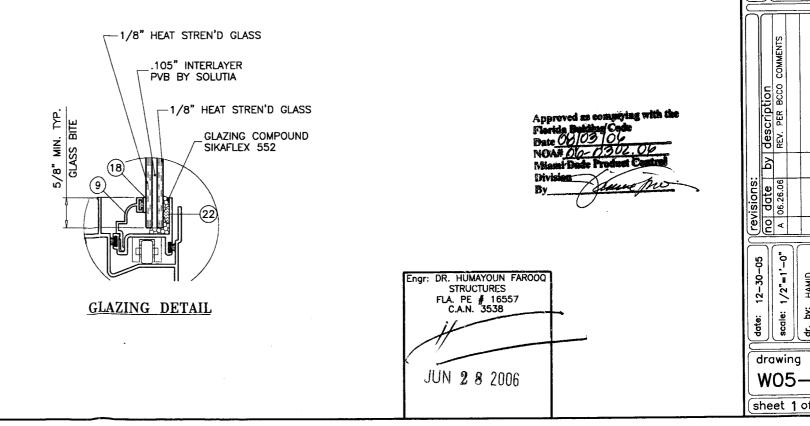
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4 (SUPPLEMENT 2005).

# TYPICAL ELEVATION

TESTED UNITS



(305)

(S.M.I.)

445-442 STORM BREAKER PLUS H.S.

<u>a</u>

1/2"=1'-0"

scale:

drawing no.

W05-56

sheet 1 of 6

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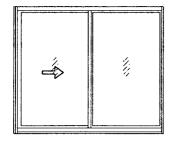
12-30-05

SIMONTON WINDOWS
ONE COCHRANE AVE.
PENNSBORO, WV. 26415
TEL. (-) FAX. (-)

AVE.
/. 26415
FAX. (

DES	SIGN LOAD	CAPA	CITY -	PSF
	(XO OI		SIZES)	
WINDO	W DIMS.	A	H.S. LAI	M. GLASS
WIDTH	HEIGHT		EXT.(+)	1NT.(-)
26-1/2"		4	70.0	120.0
37"		4	70.0	120.0
49"	26"	6	70.0	120.0
53-1/8"	(3)	6	70.0	120.0
74"		8	70.0	120.0
26-1/2"		4	70.0	120.0
37"		4	70.0	120.0
49"	38-3/8"	6	70.0	120.0
53-1/8"	(4)	6	70.0	120.0
74"		8	70.0	120.0
26-1/2"		4	70.0	120.0
37"		4	70.0	120.0
49"	50-5/8"	6	70.0	120.0
53-1/8"	(6)	6	70.0	120.0
74"		8	70.0	120.0
26-1/2"		4	70.0	120.0
37"		4	70.0	120.0
49"	63"	6	70.0	120.0
53-1/8"	(6)	6	70.0	120.0
74"		8	70.0	120.0
24"		4	70.0	120.0
36"	24"	4	70.0	120.0
48"	(3)	6	70.0	120.0
60"		6	70.0	120.0
72"		8	70.0	120.0
24"		4	70.0	120.0
36"	36"	4	70.0	120.0
48"	(4)	6	70.0	120.0
60"		6	70.0	120.0
72"		8	70.0	120.0
24"		4	70.0	120.0
36"	48"	4	70.0	120.0
48"	(5)	6	70.0	120.0
60"		6	70.0	120.0
72"		8	70.0	120.0
24"		4	70.0	120.0
36"	60"	4	70.0	120.0
48"	(6)	6	70.0	120.0
60"		6	70.0	120.0
72"		8	70.0	120.0

A = NO. OF ANCHORS PER HEAD & SILL ( ) = NO. OF ANCHORS PER JAMB



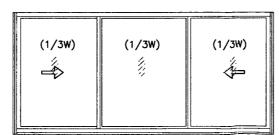
			_	
DESI	IGN LOAD (XOX	CAPAC SIZES	_	PSF
WINDOV	W DIMS.	A	H.S. LAM. GLASS	
WIDTH	HEIGHT		EXT.(+)	1NT.(-)
53-1/8"		6	70.0	120.0
74"	26"	9	70.0	120.0
106-1/4"	(3)	12	70.0	120.0
111"		12	70.0	120.0
53-1/8"		6	70.0	120.0
74"	38-3/8"	9	70.0	120.0
106-1/4"	(4)	12	70.0	120.0
111"		12	70.0	120.0
53-1/8"		6	70.0	120.0
74"	50-5/8"	9	70.0	120.0
106-1/4"	(6)	12	70.0	120.0
111"		12	70.0	120.0
53-1/8"		6	70.0	120.0
74"	63"	9	70.0	120.0
106-1/4"	(6)	12	70.0	120.0
111"		12	70.0	120.0
72"		9	70.0	120.0
84"	24"	10	70.0	120.0
96"	(3)	12	70.0	120.0
108"		12	70.0	120.0
72"		9	70.0	120.0
84"	36"	10	70.0	120.0
96"	(4)	12	70.0	120.0
108"		12	70.0	120.0
72"		9	70.0	120.0
84"	48"	10	70.0	120.0
96"	(5)	12	70.0	120.0
108"		12	70.0	120.0
72"		9	70.0	120.0
84"	60"	10	70.0	120.0
96"	(6)	12	70.0	120.0

A = NO. OF ANCHORS PER HEAD & SILL ( ) = NO. OF ANCHORS PER JAMB

12

70.0

120.0

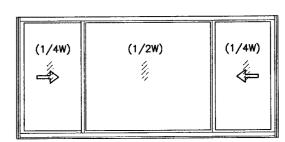


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
ASTM E1300-02 (3 SEC. GUSTS) WITH REDUCTIONS
FOR FLEXIBLE SUPPORTS TO COMPLY WITH SECTION
2403.2 OF FBC 2004 EDITION.

DESI	GN LOAD	CAPAC	ITY - F	'SF
	(XOX	SIZES	S)	
WINDO	W DIMS.	A	H.S. LAM. GLASS	
WIDTH	HEIGHT		EXT.(+)	1NT.(-)
53-1/8"		7	70.0	120.0
74"	26"	8	70.0	120.0
106-1/4"	(3)	12	70.0	120.0
111"		12	70.0	120.0
53-1/8"		7	70.0	120.0
74"	38-3/8"	8	70.0	120.0
106-1/4"	(4)	12	70.0	120.0
111"		12	70.0	120.0
53-1/8"	50-5/8"	7	70.0	120.0
74"	(6)	8	70.0	120.0
53-1/8"	63"	7	70.0	111.9
74"	(6)	8	70.0	111.0
72"		8	70.0	120.0
84"	24"	11	70.0	120.0
96"	(3)	11	70.0	120.0
108"		12	70.0	120.0
72"		8	70.0	120.0
84"	36"	11	70.0	120.0
96"	(4)	11	70.0	120.0
108"		12	70.0	120.0
72 <b>"</b>		8	70.0	120.0
84"	48"	11	70.0	120.0
96"	(5)	11	70.0	120.0
72"	60" (6)	8	70.0	119.7

A = NO. OF ANCHORS PER HEAD & SILL ( ) = NO. OF ANCHORS PER JAMB



OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

Approved as complying with the
Elavida Raiding Code
Date 08 03 06 NOA# 06-0302.00
Miani Dude Product Control
by Jamelno

Engr: DR. HUMAYOUN FAROOQ STRUCTURES
FLA. PE # 16557
C.A.N. 3538
JUN. 2 2006

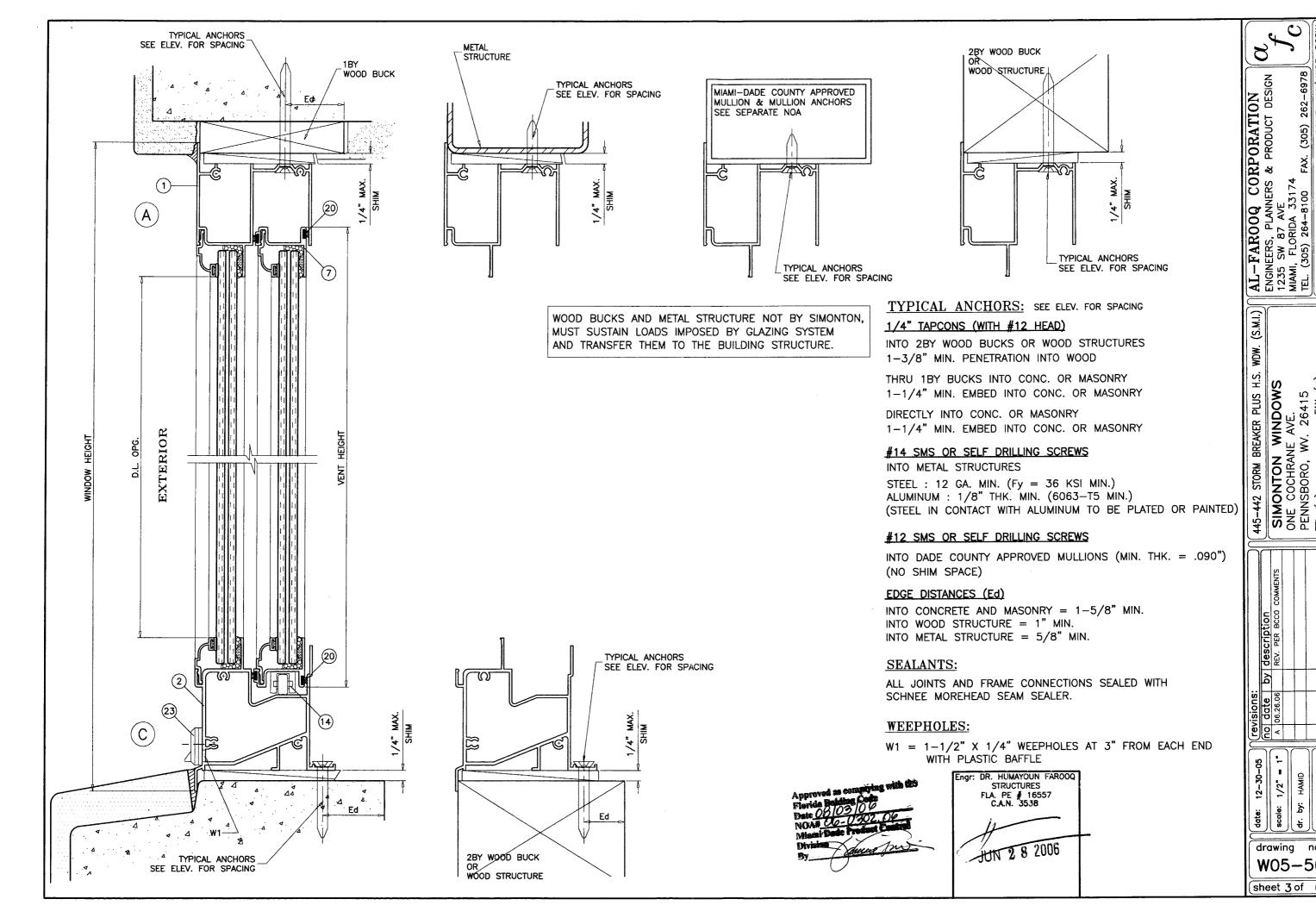
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drawing no.

W05-56

sheet 2 of 6

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978



(S.M.I.)

445-442 STORM BREAKER PLUS H.S.

12-30-05

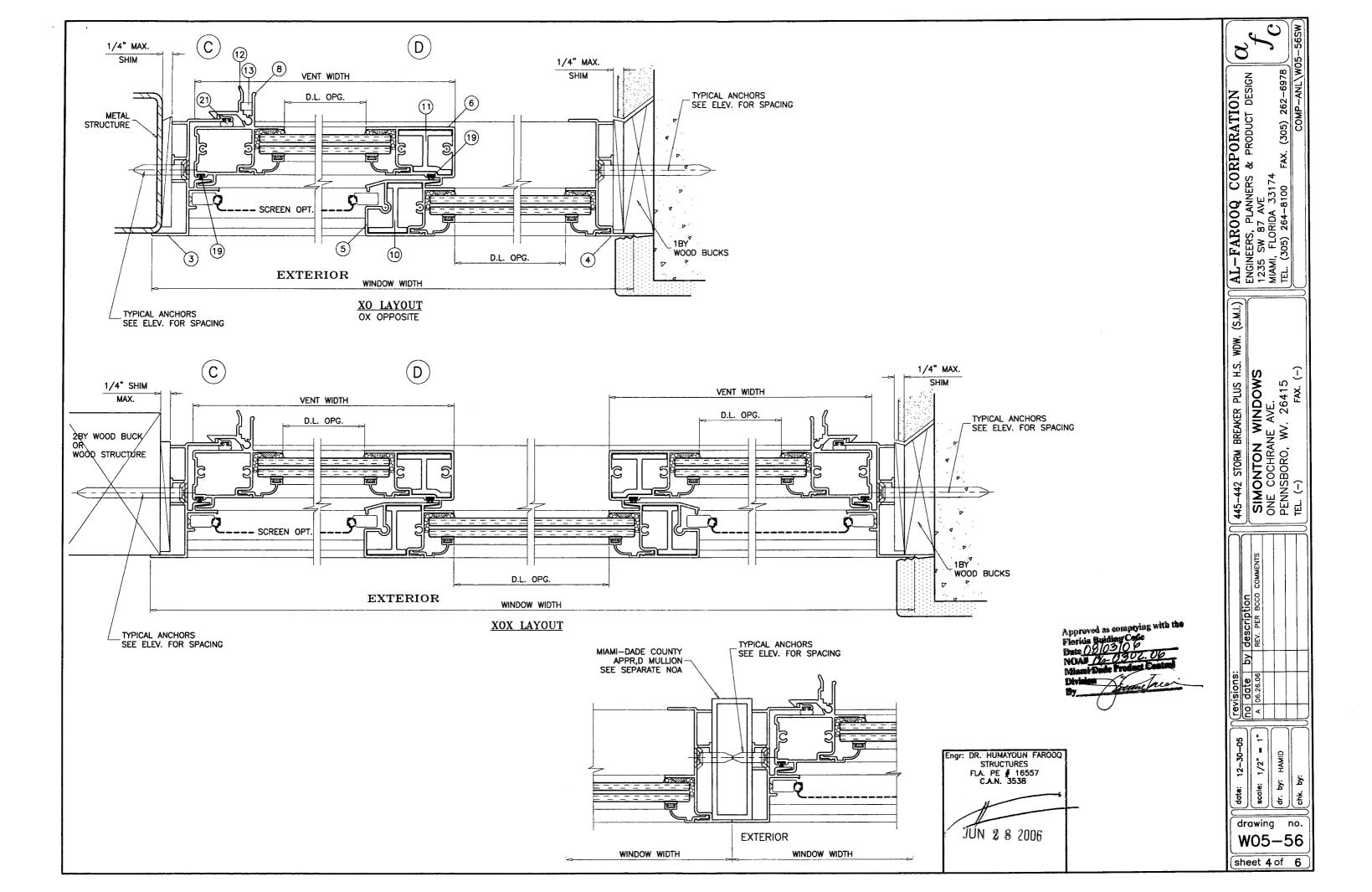
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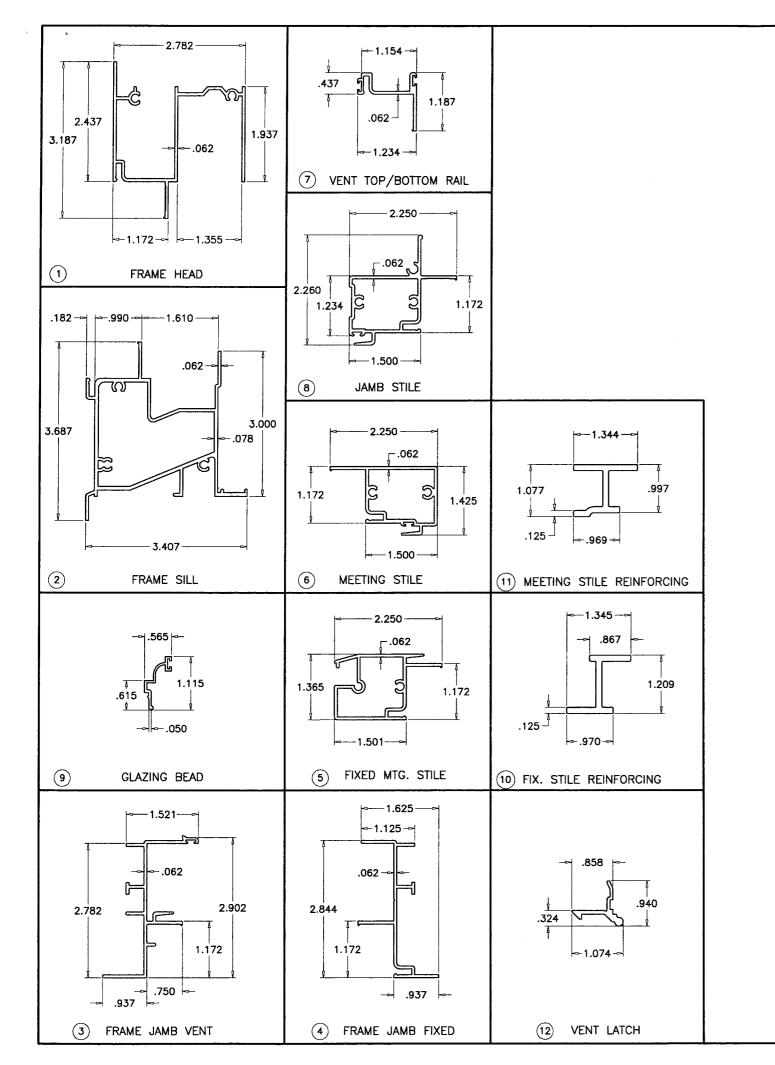
W05 - 56

sheet 3 of 6

SIMONTON WINDOWS
ONE COCHRANE AVE.
PENNSBORO, WV. 26415
TEL. (-) FAX. (-)

4VE. 26415 FAX. (-)





ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	MP0093	1	FRAME HEAD	6063-T6	_
2	MP0078	1	FRAME SILL	6063-T6	_
3	MP0079	1	FRAME JAMB VENT	6063-T6	
4	MP0042	1	FRAME JAMB FIX.	6063-T52	-
5	MP0045	1/ VENT	FIXED STILE	6063-T6	
6	MP0047	1/ VENT	VENT MEETING STILE	6063-T6	-
7	MP0048	2/ VENT	TOP AND BOTTOM RAIL	6063-T6	-
8	MP0086	1/ VENT	JAMB STILE	6063-T6	-
9	MP0049	AS REQD.	GLAZING BEAD	6063-T52	-
10	RE0049	AS REQD.	FIX. STILE REINFORCING	6063-T6	-
11	RE0048	AS REQD.	MEETING STILE REINFORCING	6063-T6	
12	XIMP-8A	2/ VENT	VENT LATCH	6063-T5	AT 8" FROM ENDS
13	IMP-003A	1/ LATCH	VENT LATCH SPRING	ST. STEEL	_
14	CM0083	2/ VENT	ROLLER ASSEMBLY	_	LAWRENCE
15	_	-	-	-	_
16	#10 X 1"	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	ST. STEEL	P.H. SMS
17	#10 X 3"	2/ VENT	FIX. RAIL SILL SCREWS (SILL END)	ST. STEEL	P.H. SMS
18	LAW-15	AS REQD.	GLAZING BULB	VINYL	TEAM PLASTICS
19	W2217IN	AS REQD.	FIN SEAL W'STRIPPING (STILES)	_	ULTRAFAB OR EQUIV.
20	W2215IN	AS REQD.	FIN SEAL W'STRIPPING (RAIL)		ULTRAFAB OR EQUIV.
21	Q300X190	AS REQD.	FRAME JAMB W'STRIPPING		Q-LON2 BY SCHLEGEL
22		AS REQD.	BUMPON SPACER	SILICONE	
23	WHPF-100	AS REQD.	WEEP COVER HOUSING	_	M&M PLASTICS
24	_	-	_	_	

Engr: DR. HUMAYOUN FAROOQ STRUCTURES FLA. PE # 16557 C.A.N. 3538

<u> </u>	445-442 STORM BREAKER PLUS H.S. WDW. (S.M.I.)   AL-FAROOQ CORPORATION	AL-FAROOQ CORPORATION
	SIMONTON WINDOWS	ENGINEERS, PLANNERS & PRODUCT DESIGN 1235 SW 87 AVE
	ONE COCHRANE AVE.	MIAMI, FLORIDA 33174
	PENNSBORO, WV. 26415	TEL. (305) 264-8100 FAX. (305) 262-6978
	TEL. (–) FAX. (–)	COMP-ANL\WC
,		

(revisions:

no date by description

A 06.26.06 NO CHANGE THIS SHEET

date: 12–30–05

date: 12–30–05

du by: HAMID

chk. by:

sheet 5 of 6

